

ECS/EMD Configuration Change Request

Page 1 of 1 Page(s)

1. Originator Byron V. Peters	2. Log Date: 3/23/05	3. CCR #: 05-0131	4. Rev:	5. Tel: 301/925-0350	6. Rm #: 3107	7. Org. SE
8. CCR Title: Install AMASS libio_tape patch						
9. Originator Signature/Date Byron Peters /s/ 3/23/05			10. Class II	11. Type: CCR	12. Need Date:	
13. CCR Sponsor Signature/Date James Mather /s/ 3/23/05			14. Category of Change: Update ECS/EMD Baseline Doc		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist): 910-TDA-003			17. Schedule Impact: LOW		18. CI(s) Affected:DSS	
19. Release Affected by this Change:		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: ECSed41715						
23. Problem: (use additional Sheets if necessary) If there is a hardware problem reading a tape with the current version of AMASS, a media can get stuck (i.e. remain in a drive) for a long period until it is noticed by ops. AMASS needs to be able to timeout a read request, clear the drive and write appropriate messages to logs stating the failure.						
24. Proposed Solution: (use additional sheets if necessary) ADIC has released a patch, "libio_tape SCSI-TO", that has been verified in the PVC. See instructions on page 2.						
25. Alternate Solution: (use additional sheets if necessary) None						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Read requests can get lost in the queue for days resulting in delayed delivery of product to data customers.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): Evelyn N. Nakamura /s/ 3/24/2005			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

ADDITIONAL SHEET

CCR #: 05-0131

Rev:

Originator: Byron V. Peters

Telephone: 301/925-0350

Office:

Title of Change: Install AMASS libio_tape patch

1. Login as root or su to root
2. Copy the libio_tape_SCSI_TO patch to /var/tmp
3. Quiese archive and cache manager servers and the action driver application.
4. Disallow additional read/write requests by using the command:
/usr/amass/bin/amassstat -i
5. Once all requests have been completed, stop AMASS using the command:
/usr/amass/tools/killdaemons -F
6. Change directory:
cd /usr/amass/daemons
7. Backup the old version using the command:
mv libio_tape libio_tape.050410
8. Copy the new version to the daemons directory using the command:
cp /var/tmp/libio_tape_SCSI_TO /usr/amass/daemons
9. Copy the new version to the correct filename using the command:
cp libio_tape_SCSI_TO libio_tape
9. Verify that the copy worked and the daemon is valid using the command:
cksum libio_tape
809680889 6825236 libio_tape
10. Restart AMASS using the command:
/usr/amass/tools/amass_start
11. Verify that the system is operational using normal means.